

1  
2                   TITLE  
3  
4                   Garment Hanger Retail Package  
5  
6  
7                   INVENTOR  
8  
9                   Peter Ar-Fu Lam  
10  
11  
12  
13  
14  
15

16                   FIELD OF THE INVENTION  
17  
18  
19

20                  The present invention relates to packaging design unique to garment hangers for retail  
21                  purposes.  
22  
23  
24  
25  
26  
27  
28  
29  
30

31                   BACKGROUND OF THE INVENTION  
32  
33  
34  
35  
36  
37  
38  
39

40                  Garment hanger is a commodity houseware product having a long history.  
41                  Typically a garment hanger comprises of a suspension member represented by a hook  
42                  and a pair of supporting arms extending from the two sides of the suspension member  
43                  for supporting a garment. Optional features of garment hangers comprise of pant bars  
44                  or clips. High-end garment hangers are mostly sold piece by piece. Lower cost hangers  
45                  are mostly bundled from two to ten hangers per pack for retail. Since garment hangers  
46                  are commodity item that most people understand how to use, the prior art packaging  
47                  designs of garment hangers are usually kept simple to minimize the product cost.  
48                  Besides most consumer understands the look of a garment hanger, there is little  
49                  incentive for packaging designer to provide a packaging design that gives the full frontal  
50                  view of the hanger. Accordingly the packaging designs of most single pack retail

1 hangers are in the form of a small freely suspended hang tag. The most common prior  
2 art packaging design for multiple hangers is simply a card wrapped around the arms or  
3 the medial portions of the hangers stacked together. When a sophisticated reciprocal  
4 adjustable garment hanger was promoted, it was discovered that the low cost garment  
5 hanger packaging designs commonly used in the art do not provide adequate display  
6 area to illustrate the special benefits, features and operation of the reciprocal adjustable  
7 garment hangers. The need of a substantially larger display area on the packaging  
8 without affecting the display arrangements in the retail stores is identified for educating  
9 the consumer the benefits of a personalized fitted hangers.

10 It is the goal of the subject invention to provide a retail packaging assembly  
11 unique to the structures of garment hangers, particularly a design having a significantly  
12 large display area to illustrate the operation of specialty garment hangers, such as an  
13 adjustable hanger. The second objective is to offer a low cost packaging design  
14 allowing the full frontal view of the adjustable hanger to be shown to the customers  
15 visiting the stores, so as to stimulate their attention about the special features offered  
16 by the hangers, such as the see through adjusting mechanism, or the movable arms of  
17 an adjustable garment hanger, as illustrated in applicants issued U.S. Patent 5,511,701  
18 and 5,644,710. It is also an objective of the invention to provide a most suitable position  
19 on the display tag to print the "Try-Me" message which directs the attention of the  
20 consumer to the moving arms of an adjustable garment hanger.

21

22

## SUMMARY OF THE INVENTION

The present invention is directed to packaging design unique to retail garment hangers. Traditional garment hanger comprises a suspension member and two supporting arms extending from the two sides of the suspension member for supporting a garment. Typical optional features of a garment hanger may include a pant bar or a clips assembly connected to the bottom remote ends of the supporting arms. The triangular structure of a garment hanger makes it a bulky size item to be shipped, stored and displayed in the store. Accordingly it is also a desirable feature of the packaging study to provide a display packaging design that does not interfere with the shipping case, and also be able to optimize the display arrangement in the stores.

In a first embodiment of the invention, a flat sheet of display tag is provided to illustrate the benefits as well as the unique functional features of the specialty hanger. Accordingly to a study of the invention, the area above the shoulder supporting arms of the hangers constitutes a good location for the display tag. This location is preferably to be properly designed and dimensioned, so as not to interfere with the shipping case of the hangers. In addition, unlike the area beneath the medial portion of the hanger, the area above the shoulder supporting arms is usually an area not being utilized by the retail stores to show the price tag of the retail hangers. Since this area is positioned on top of the movable arms, it is also a perfect location to put the "Try-Me" message encouraging the consumer to try the special adjustable feature of the hanger, represented by the movable hanger arms located beneath the message. For the hangers that come with a pant bar or clips, the area beneath the medial portion of the hangers and the pant bar or clips is a second preferred location for sales information display. In order to prevent the display tag to be damaged during transportation, the size of the display tag should be equal or smaller than the footprint of the hanger. The portion of the display tag above the hanger arms is preferred to be within the periphery defined by the straight line connecting the hook and the remote shoulder tips of the supporting arms. Photographs and promotional messages can be printed on both sides of the display tag.

1       The next design challenge is to research the method for attaching the display tag  
2 to the garment hanger assembly without blocking the full frontal view of the hanger.  
3 This is particularly important for an adjustable garment hanger as the adjustment  
4 mechanism or the special adjustable moving arms of the hanger constitutes the key  
5 special features for the unique adjustable hangers to define over the regular garment  
6 hangers. For a single pack retail hanger, the display tag is preferred to be securely  
7 attached behind the garment hanger. Three attachment points are recommended for  
8 attaching the display tag to the hanger. The first attachment point is around the hook  
9 area. The other two attachment points are recommended to locate around the two  
10 supporting arms. For an adjustable garment hanger, part of the supporting arms are  
11 movable, therefore the two lower attachment points are recommended to locate either  
12 in between the medial portion and the movable arms, or close to the ends of the medial  
13 portion. The means of connection is typically provide by cable ties or straps tying the  
14 hanger and the display tag together. According to the design objective of the invention,  
15 the strap is recommended to be invisible to the consumer when the hanger is displayed.  
16 Accordingly the strap should be made with transparent material or of the same color as  
17 the hanger. Two slots are provided on each side of the display tag for dressing the  
18 strap. At the last stage of the display assembly, the strap may be secured at the back of  
19 the display tag by Scotch tape.

20       The suspension hook is thin for many attachment designs. In order to save cost,  
21 a flap is folded from the display area of the display tag for attaching to the hanger hook.  
22 A hole is required on the flap for the hook to dress into the flap. In order to improve the  
23 efficiency of the assembly operation in the factory, the hole may be formed in the shape  
24 of cross cut slits for easier aligning the hanger hook with the hole.

25       In the situation of multiple hangers retail package, the display tag is  
26 recommended to be positioned behind the first hanger of the package, and in front of  
27 the other hangers in the bundle. Since the display tag is sandwiched in between two  
28 hangers, it is more securely attached to the assembly than the single pack hanger.  
29 Accordingly only two attachment points may be required. Similar to the single pack  
30 hanger packaging design, holes or slots are provided on the display tag and the

1 hangers are tied together by cable ties or straps. Because a portion of the display tag is  
2 blocked by the hangers behind, only the position above the supporting arm on both  
3 sides of the display tag are available for printing the photographs and promotion  
4 messages.

5 In another preferred embodiment suitable for use with hangers with clips or pant  
6 bar, the display tag is extended beyond the lower far ends of the supporting arms but  
7 short of the position of the clips or pant bars. Photographs and promotional messages  
8 are printed onto this lower portion or at the back of the display tag.

9 The novel features of the invention are set forth with particularity in the  
10 appended claims. The invention will be best understood from the following description  
11 when read in conjunction with the accompanying drawings.

42044635.01A.002

## BRIEF DESCRIPTION OF DRAWINGS

Figure 1 is the front view of a preferred embodiment of the garment hanger

display tag;

Figure 2 demonstrates a two positions attachment design; it also illustrates the

6 position of the tag relative to the garment hanger;

Figure 3 illustrates the side view of the garment hanger retail package;

Figure 4 is the front view of another preferred embodiment configured for a

9 hanger with clips or pant bar;

Figure 5 illustrates the position of the display tag in a three points attachment

design;

Figure 6 demonstrates the folded flap attachment design and the strap attachment design.

1

2                   DESCRIPTION OF THE PREFERRED EMBODIMENTS

3

4                 Attention is first directed to Figure 1, which illustrates the front view of a garment  
5         hanger display tag 103. The display tag has two holes 104 and 105 offset from the  
6         center line of the display tag. Around the upper portion of the display tag, promotional  
7         messages 102 are printed. Suitable graphic may be added to inform the customer what  
8         kind of special features is provided by the specialty hanger being promoted.

9                 Attention is now directed to Figure 2, which demonstrates a preferred  
10      embodiment of the retail garment hanger packaging. The garment hanger under  
11      promotion comprises a medial portion 131. Extended from the medial portion 131 are a  
12      suspension member 134, and two supporting arms 132 and 133. In the situation that  
13      the specialty hanger 110 is an adjustable width garment hanger, each of the supporting  
14      arms 132 and 133 comprises of a stationary supporting arm extended from the medial  
15      portion 131 and a movable arm traveling relative to the stationary supporting arm for  
16      adjusting the garment supporting width. Each moving arm is linked to a transfer  
17      mechanism located inside the medial portion 131 to provide a reciprocal adjustment  
18      effect. Behind the garment hanger is the display tag 100 of Figure 1. Two cable ties,  
19      each dress through the holes 104 or 105 of the display tag securely attached the  
20      display tag at the rear side of the adjustable hanger. The cable ties 116, 117 are  
21      recommended to locate in between the medial portion 118 and the movable arms 132  
22      and 133 so as to minimize the visual significance of the cable ties. The color of the  
23      cable tie is preferable to be transparent or identical to the color of the garment hanger.  
24      In case of an adjustable garment hanger, it is also a desirable feature for the medial  
25      portion to be of different color as compared with the color of the movable arms, to  
26      indicate that the movable arms are not part of the medial portion. From here it can be  
27      observed that the full frontal view of the adjustable hanger is displayed in front of the  
28      consumer shopping in the store. Unlike the traditional hanger packaging having a  
29      message located right at the center of the medial portion, the unique characteristic of  
30      this packaging design is that the most significant area for the promotion message

1 locates on top of the hanger arms. This is an area perfect to print the graphic and  
2 message, such as a "Try Me" message, that the arms below the message are  
3 adjustable. It can be observed that the bottom edge of the display tag 113 locates at a  
4 position short of the lower edge 118 of the hanger. The benefits of this arrangement is  
5 that another pack of hanger can be displayed immediately below the upper hanger in  
6 the store, so as to make optimal use of the store display area and to stock maximum  
7 number of hangers on the display rack.

8 Figure 3 illustrates the position of the display tag in the design of multiple  
9 hangers retail package. The display tag 124 is sandwiched in between the first two  
10 hangers of the package. Two cable ties dressing through the holes 104, 105 of the  
11 display tag firmly tie all the hangers together. This structure enables the display tag to  
12 be securely positioned in the package although only two attachment points represented  
13 by the holes 104, and 105 are provided by the design.

14 Attention is now directed to Figure 4, which illustrates an alternate embodiment  
15 of the display tag. This display tag is designed for use with a hanger that comes with  
16 clips or a pant bar. Accordingly the bottom edge of the display tag is extended to a  
17 location slightly short of the position of the pant bar or the clips to avoid damaging the  
18 display tag inside the shipping case during transportation. Promotion messages or  
19 photographs are printed on top of the hangers arms as well as the location beneath the  
20 medial portion of the hanger. Each of the attachment holes 104 and 105 of Figure 1 are  
21 modified to a pair of slots 209/210 and 211/212. Around the upper edge of the display  
22 tag is a flap 217 folded along the line 202. Located on the flap is a hole 206 for  
23 attaching to the hook of the garment hanger. This display tag requires three attachment  
24 points defined by the folded flap and the pairs of slots 209/210 and 211/212.

25 Figure 5 illustrates the front view of the specialty hanger after it is assembled  
26 with the display tag 200 of Figure 4. The flap 227 is fold to a position approximately  
27 perpendicular to the display tag 221. The suspension member 228 is then dressed  
28 through the hole 206 of the flap 227. Two strips 222 and 223 fasten the lower side of  
29 the display tag 221 to the medial portion 224 of the hanger without interfering the  
30 movement of the movable arms 225 and 226. The fastening strips are configured to

1 provide a full natural front view of the hanger. Accordingly the fastening strips are either  
2 transparent or of a color similar to the portion of the hanger located behind the strips. A  
3 promotional message such as a "Try Me" sign 229 is printed on top of the hanger arms  
4 to indicate that the hanger arms are movable. Beneath the medial portion of the hanger  
5 are other promotion messages or photographs demonstrating the benefits of the  
6 specialty hanger. It should be noted that the periphery of the display tag 221 is  
7 preferably designed in a shape suitable for the hangers to be packed in a shipping  
8 case. Accordingly the display tag is positioned to be short of the virtual line connecting  
9 points A and B as shown in Figure 5. The bottom edge of the display tag is also  
10 preferably to be cleared from the bottom of the pant bar or the clips 227, 228 of the  
11 hanger.

12  
13  
14  
15  
16  
17  
18  
19  
20 Figure 6 illustrates an enlarged view of the folded flap attached to the hook of a hanger. The flap 304 is folded along the line 303. The center of the hole 302 is of a distance "L" from the folded line where "L" is also the distance measured from the position of the hook to the rear surface of the hanger. The folded flap design is therefore a better fastening design than the straps because it support and maintain the separation distance of the hook from the display tag. The straps 307 and 308 tie the medial portion of the hanger to the lower side of the display tag 309. The straps 307 and 308 are recommended to be clear from the movable portions 310, 311 of the hanger supporting arms.

21 In reviewing the common properties of the various embodiments described, it  
22 can be observed that the display tag provides at least two attachment points to the  
23 garment hanger in front. A third attachment point is recommended to be a flap folded  
24 from the display tag for attaching to the hook of a garment hanger. The bottom  
25 attachment points are recommended to be represented by transparent fasteners or  
26 fasteners with color similar to the hanger behind, so as to provide a full natural front  
27 view of the uniquely designed hanger. A substantial display area provided on top of the  
28 hanger supporting arms is particularly a perfect location for displaying a message  
29 indicating that the moving arms beneath are adjustable. When the display tag is applied

1 to a multiple hangers package, the display tag is recommended to be sandwiched  
2 between the first two hangers.

3 It is submitted that any other alternate designs capable to serve the predefined  
4 application objectives are included in the scope of this invention. Similarly, different  
5 structural designs capable of attaching a flat display member to a package of garment  
6 hanger are also included in the scope of this invention. The preferred embodiments of  
7 the invention described herein are exemplary and numerous modifications, dimensional  
8 variations and rearrangements can be readily envisioned to achieve an equivalent  
9 result, all of which are intended to be embraced within the scope of the appended  
10 claims.

4304555.011.000